
NRC's Overall Vision and Strategy for Non-Light-Water Reactors

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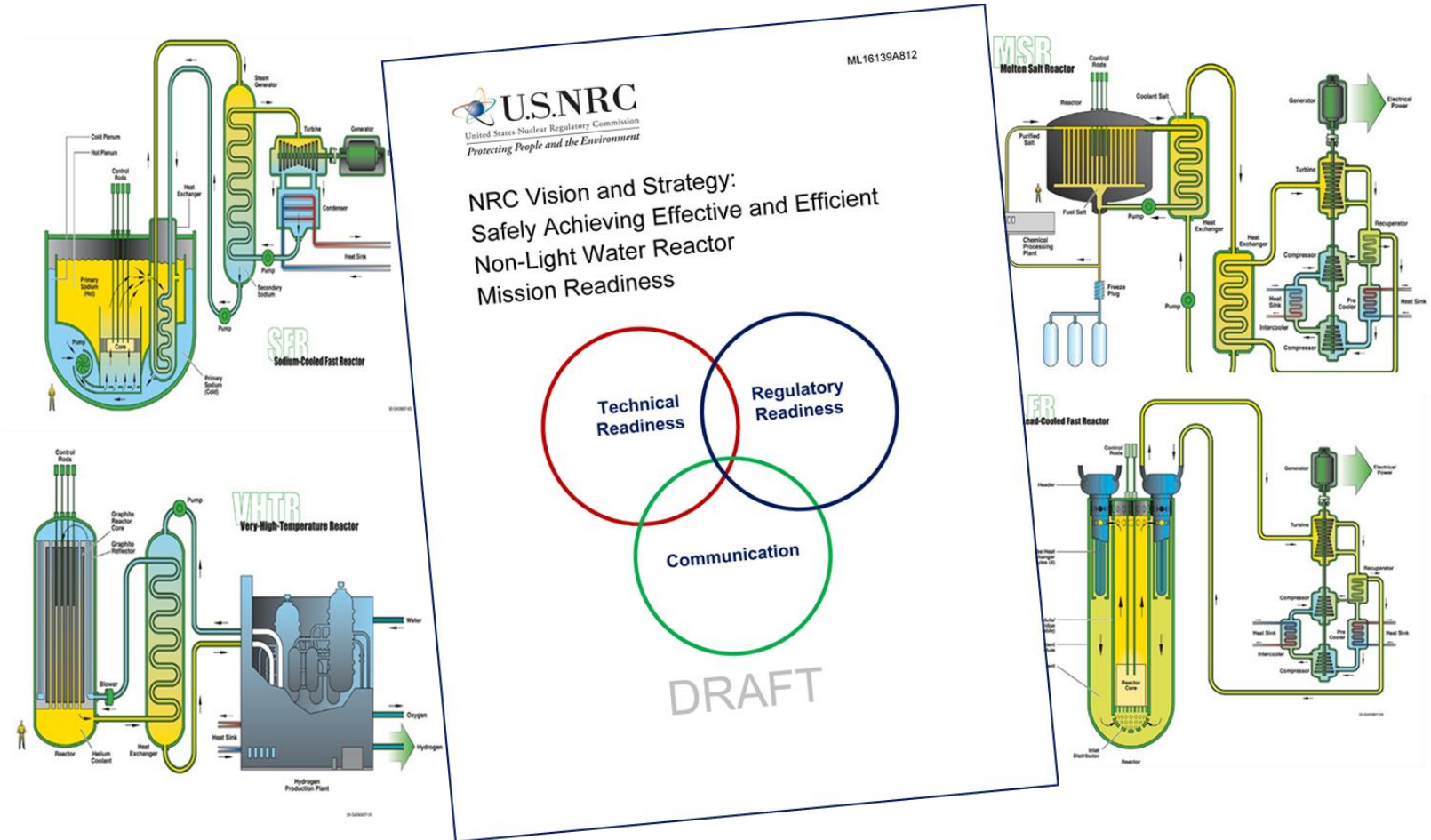
Senior Project Manager

April 25, 2017

Outline

- Vision and Strategy
- Implementation Action Plans
- Executing the Vision
- Stakeholder Engagement

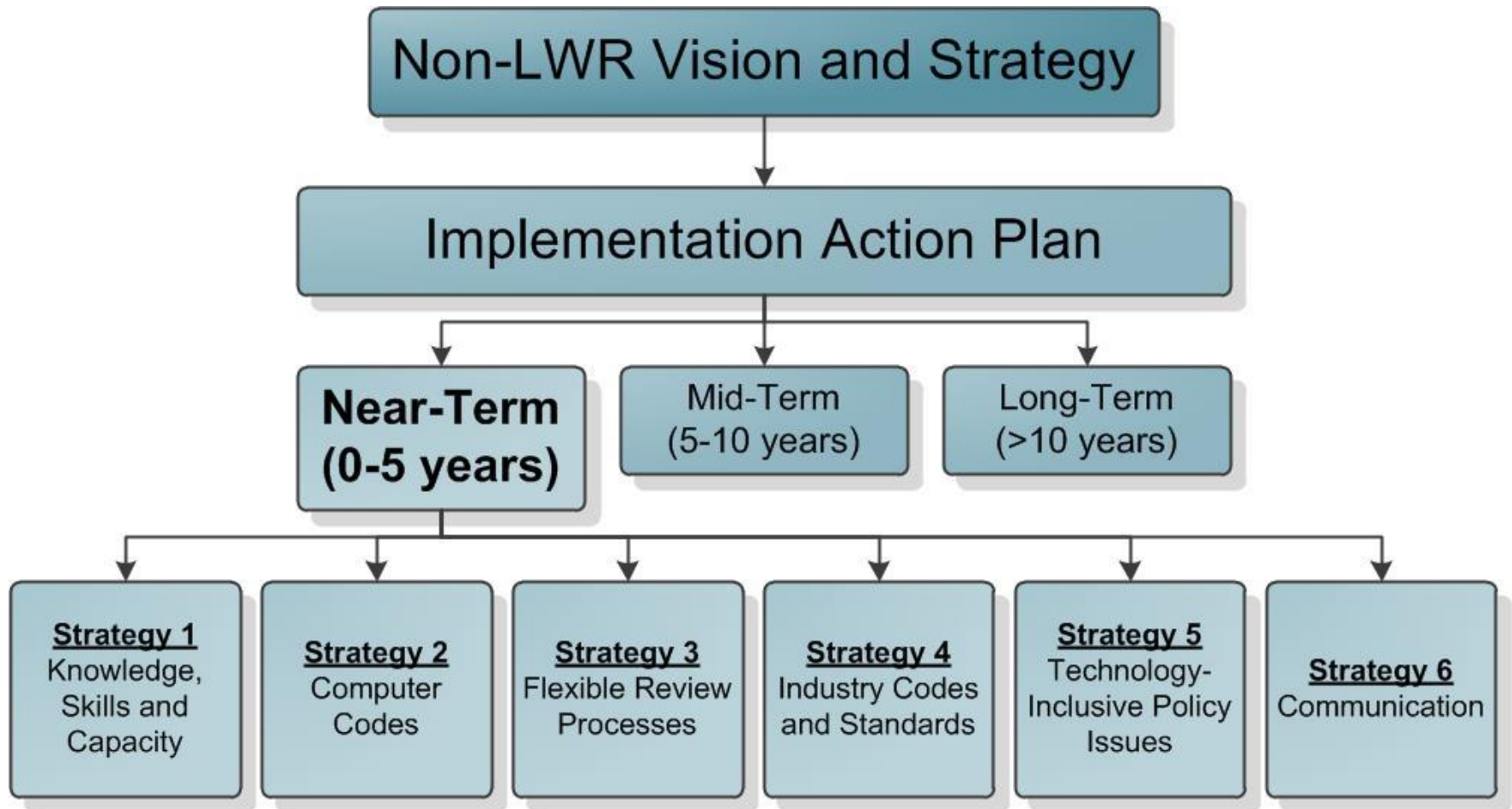
Vision and Strategy



Implementation Action Plans

- The IAPs are planning tools that describe:
 - Work to be done to achieve non-LWR readiness
 - Resources needed to accomplish the work
 - How to prepare the workforce to do the work
- Timeframes
 - Near-term (0-5 years)
 - Mid-term (5-10 years)
 - Long-term (>10 years)

Implementation Action Plans



Near-Term Implementation Action Plan

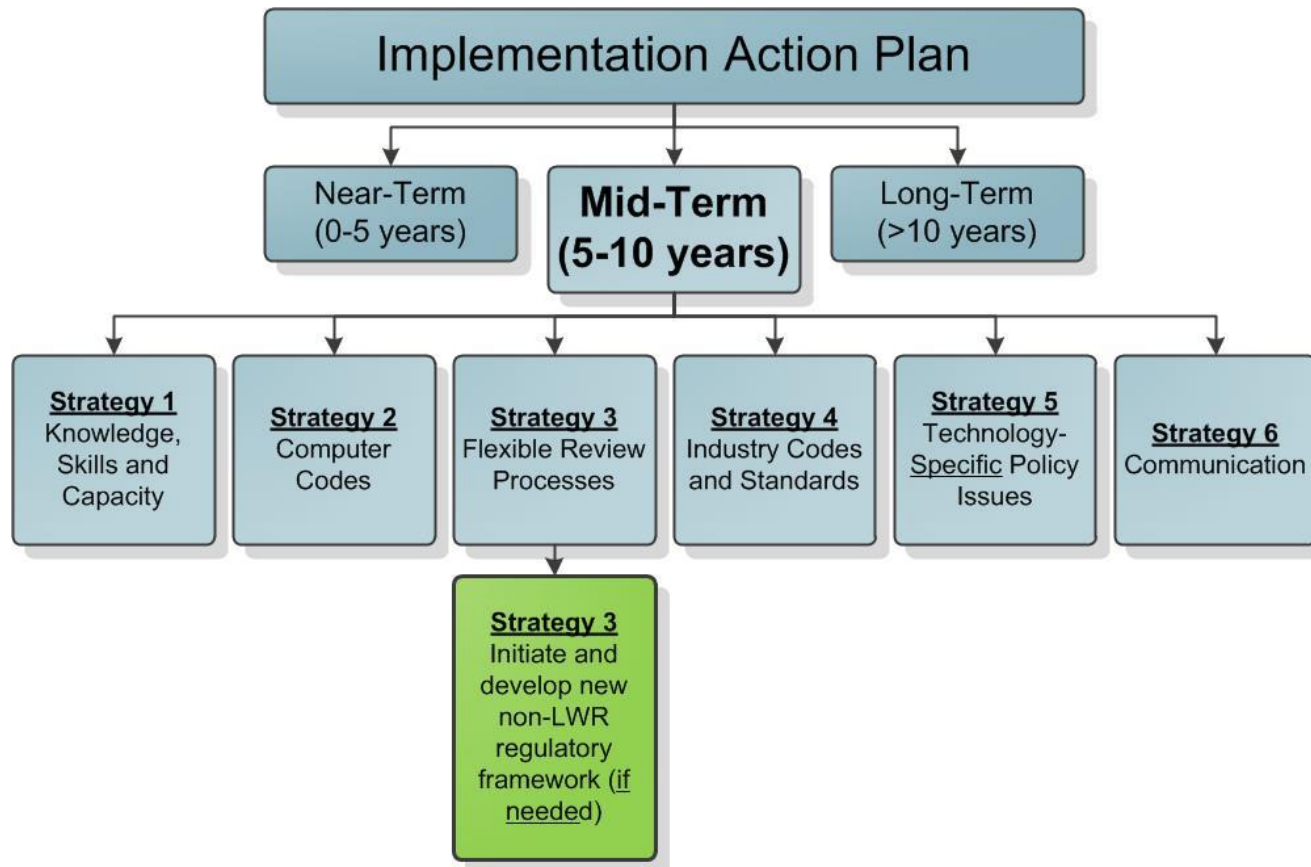
Six Strategies:

1. Acquire/develop sufficient knowledge, technical skills, and capacity to perform non-LWR regulatory reviews
2. Acquire/develop sufficient computer codes and tools to perform non-LWR regulatory reviews
3. Develop guidance for a flexible non-LWR regulatory review process within the bounds of existing regulations, including the use of conceptual design reviews and staged-review processes

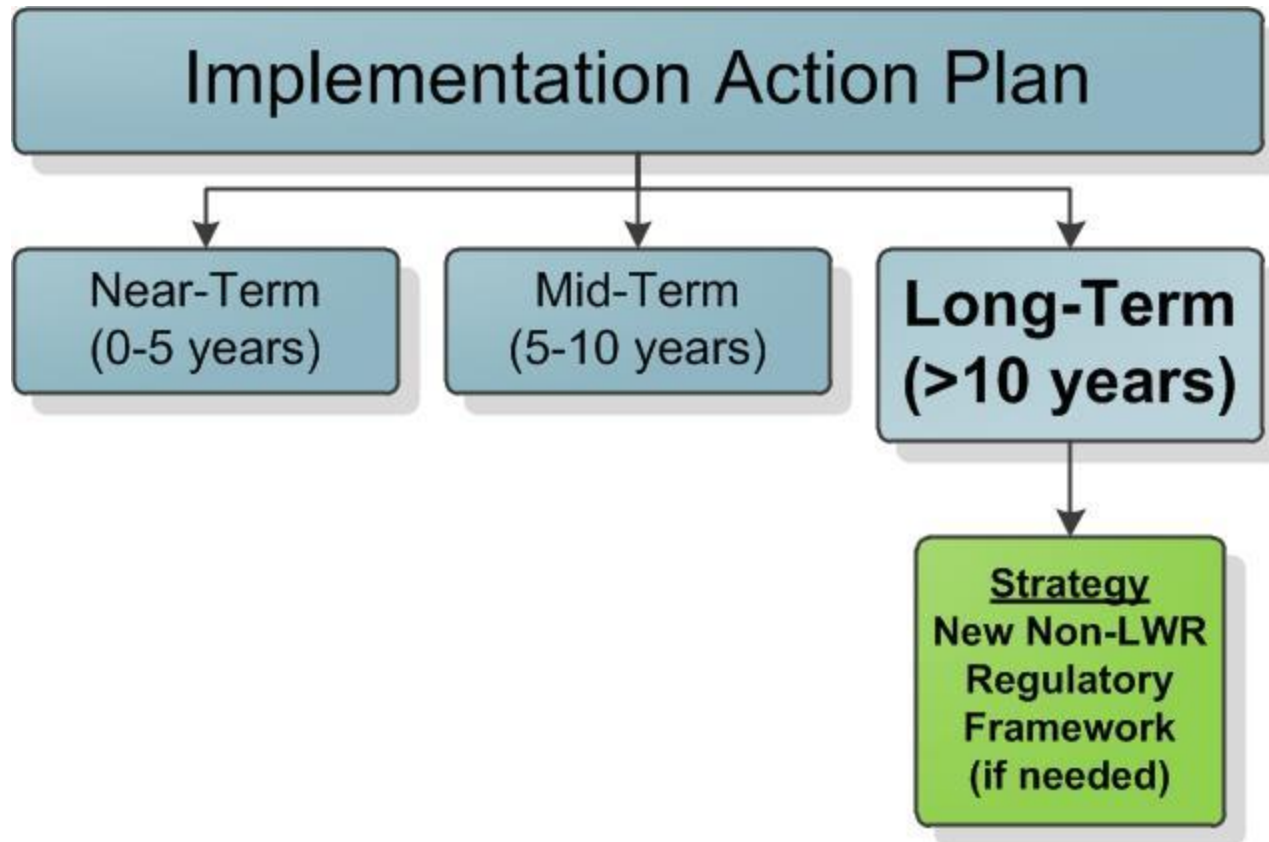
Near-Term Implementation Action Plan

4. Facilitate industry codes and standards needed to support the non-LWR life cycle (including fuels and materials)
5. Identify and resolve technology-inclusive policy issues that impact the regulatory reviews, siting, permitting, and/or licensing of non-LWR nuclear power plants (NPPs)
6. Develop and implement a structured, integrated strategy to communicate with internal and external stakeholders having interests in non-LWR technologies

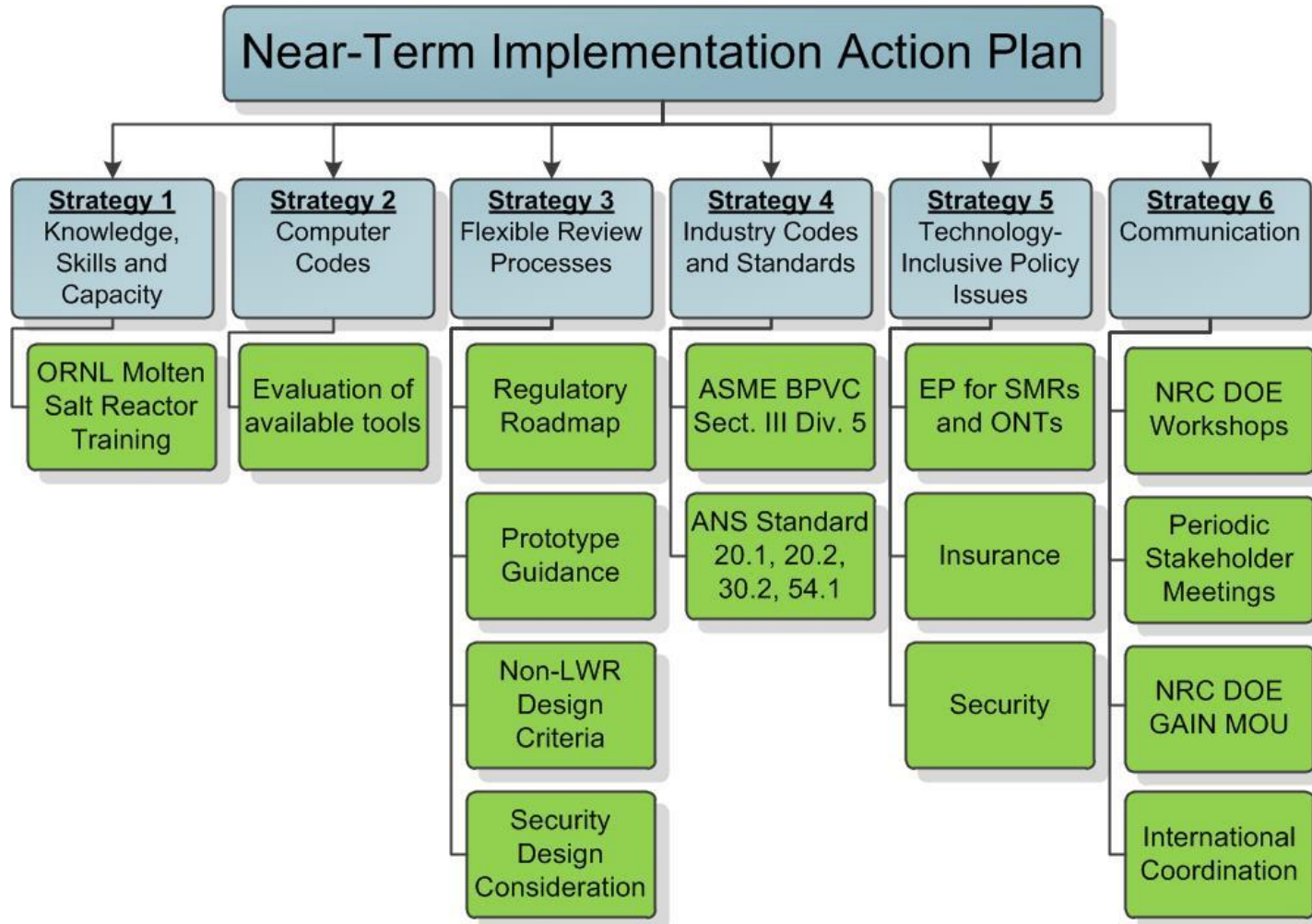
Mid-Term IAPs



Long-Term IAPs



Executing the Vision



Ongoing Activities

- Regulatory Review Roadmap
- Advanced Reactor Design Criteria
- Security Design Considerations
- Prototype guidance

Stakeholder Engagement

- Seeking stakeholder feedback at all steps
- Stakeholder meetings every 6 weeks
- Pre-application engagement
- Memorandum of Understanding with DOE
 - Gateway for Nuclear Innovation (GAIN)
- Information from prospective applicants informs budget, schedule and priorities
- International Coordination

Pre-Application Activities

- Oklo, Inc.
- Terrestrial Energy
- Core Review Team Approach
- Additional pre-application reviews anticipated in the near-term

Summary

- Vision and Strategy sets high level goals and objectives to achieve readiness
- NRC is moving from planning to execution
- We need your input to inform our actions